

**Part B - 9**

**LEAD AGENCY/BUREAU AND/OR SUBCOMMITTEE/WORKING GROUP REPORT**  
**(Agencies with Lead Responsibilities Assigned under Circular A-16 in Appendix E**  
**- <http://www.fgdc.gov/publications/a16final.html#appendix>)** (Please provide a separate report for each activity for which you have the lead)

1. Program/Activity Name: **U.S. Shoreline/Shoreline Mapping Program**

2. What are the specific federal programs this data supports?

NOAA's Nautical Charting Program

3. Uses of Data: How does your data benefit customers and support agency missions?

Shoreline data is one of the critical elements on NOAA's nautical chart (navigation safety) and equally important, establishes our nations maritime boundaries for Private/State, State/Federal, Submerged Lands Act, Territorial Sea, EEZ etc.

4. Charter/Plan: Do you have a current charter or plan for collection? If so - please describe (include how recently the charter/plan was implemented and whether it is in need of update).

NOAA has adopted the use of Architecture and Engineering (Quality Based Selection) contracting for most of its shoreline mapping requirements. The plan was started on 2001 and will be updated approximately 2005

5. Performance Measures: Does your agency have performance measures for your data theme? If so, please list the measures and whether you achieved your goals.

1) The number of critical port areas (8) of which shoreline was provided.

2) The percentage (4%) of the total U.S. Shoreline of non-port areas.

Both measures were met in FY2004.

6. Metadata Status: Is metadata discoverable and served through the NSDI Clearinghouse? What percentage of this theme's data has metadata and is in a Clearinghouse node?

Yes. National Geodetic Survey has a general vector shoreline record for metadata in the NSDI Clearinghouse node. All available vector shoreline, served through the NOAA Shoreline Data Explorer application, has FGDC compliant metadata created dynamically. This dynamically created metadata is tailored to the particular shoreline (features and geographic extent) that our customer downloads through this application. All recoverable shoreline manuscripts have been scanned and each manuscript has a FGDC compliant metadata record associated with it. However, these data are not yet readily available to the public and the metadata is not served at this time on the NSDI Clearinghouse. A

contractor is currently developing a web application to deliver raster manuscripts, with FGDC compliant metadata, to the public.

7. Standards: What is the status of this theme's data, process, transfer, and classification standards?

All vector shoreline data available on the NOAA Shoreline Data Explorer application has met NOAA Coastal Services Center and/or National Geodetic Survey quality control processes. The data is available in ESRI shapefile format as requested by our primary customers. ESRI has made the shapefile format non-proprietary with openly published specifications so that many GIS software packages can convert to and from this format. ESRI also has a free GIS viewer called ArcExplorer.

The shoreline classification is from the National Geodetic Survey's attribution scheme 'Coastal Cartographic Object Attribute Source Table (C-COAST). C-COAST was developed to bring attribution of various National Geodetic Survey sources of shoreline data into one attribution catalog. C-COAST is not a recognized standard but was influenced by the International Hydrographic Organization's S-57 Object-Attribute standard so that the data would be more accurately translated into S-57.

8. Progress: List FY 2004 activities/progress to date (quantify where possible).

Sixty (60) historical shoreline projects that have been quality controlled by our partners at the NOAA Coastal Service Center has been processed and loaded. Preliminary analysis and organization has begun for more historic data. Twenty-three (23) contemporary shoreline projects, generated by Softcopy photogrammetric processes, have been made available this year.

9. Participation: List participating Federal agencies.

Mineral Management Service  
National Aeronautics and Space Administration  
Naval Oceanographic Office  
Naval Research Laboratory  
US Army Corps of Engineers Topographic Engineering Center  
United States Department of Agriculture  
U.S. Geological Survey

10. Planned Activities: What are your planned activities for FY05?

Monitor shoreline mapping contracts and perform limited in-house compilation projects to meet the performance measures of eight critical port areas and four percent of total U.S. Shoreline of non-port areas. To make this data and continue to quality control and make available historic shoreline projects. Continue to conduct fundamental research and development designed to integrate new imaging and mapping technologies into our production programs.

11. Policy: Do you have a formal agency policy in place for full and open access or data sharing? Are you able to fulfill this policy and provide public access with

your current agency financial resources as allocated or are you in pursuit of collaborative federal partnerships to support data access?

Yes. The National Geodetic Survey has an internal policy set November 30, 1994 and revised February 13, 2002 for making public geodetic control point information held by National Geodetic Survey. The National Geodetic Survey's Executive Steering Committee also has approved the Process Action Team Report #21 in November 2001 that recommended the National Geodetic Survey manage the creation, modification, storage, display, and distribution of all of its shoreline data. This may include managing off-site storage facilities. The data would be made available to all customers in an efficient and timely manner via a database repository, coupled with a web-based delivery interface. The National Geodetic Survey is able to carry out this function under present funding allocations.

12. Are there areas or issues regarding lead responsibilities for spatial data themes that require attention, or lessons-learned that you would like to share with others? Please describe.

There are no significant issues at this time. The draft Shoreline Data Content Standard has been develop and is undergoing internal review.